

PROFILE



Name : Dr. D.Ravikanth.

Designation: professor in M.E.D

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Educational Qualifications :

Name of the degree	Specialization	Name of the College and University	Year of passing	Class obtained
Ph.D	Mechanical Engineering (Industrial Engineering) Topic: Decision support system in a thermal power station – An investigative study on conceptualization and development of a model for effective executive decision making.	JNTU, Anantapur.	2012	
M.Tech.	Mechanical Engineering (Thermal engineering, R& A/C)	C I Technology, ciombatore Bharatiyar university ,ciombatore	1998	First Class
B.Tech.	Mechanical Engineering	S .L. N Engineering college Raichur Gulbarga university	1994	First class

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Experience:

S.No.	Name of the Institution	Designation	Period
1	INNOVATIVE quenches India pvt ltd.,(Research lab) peenia-II Bangalore	Graduate engineering trainee.	1994-1995 (6 months only)
2	K.S.R.M College of Engineering, Kadapa	Assistant professor(adhoc)	1998jan-1998 jun
3	K.S.R.M College of Engineering, Kadapa	Assistant professor	1998 August- 2010
4	K.S.R.M College of Engineering, Kadapa	Associate Professor	August-2010 to 9 th oct 2017
5	K.S.R.M College of Engineering, Kadapa	professor	10th oct 2017to till date.

Area of Interest:

1. Operations Research
2. Optimization techniques.
3. Decision Support Systems
4. Manufacturing processes.
5. Thermal engineering.
6. Engineering Drawing.
7. Thermo dynamics
8. Refrigeration and air conditioning
9. Machine drawing
10. Production and operations management

Subjects Taught:

Degree	Branch	Subjects
B.Tech.	Mechanical	Operation Research, Thermodynamics, machine drawing, production Engineering, Advanced welding and Foundry Technologies, Engineering drawing, Refrigeration and air conditioning,
	Computer science and IT	Computer oriented quantitative techniques, elements of mechanical engineering.
	Electrical Engineering	Optimization techniques
.	Civil engineering	Elements of mechanical engineering and Earth moving equipments.
	ECE	Engineering drawing,
M.Tech	Mechanical	Advanced optimization techniques.

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Projects Guided:

Name of the degree	Total Number of students
Ph.D	1(progress)
M.Tech.	6
B.Tech.	24

Research Papers published in conferences:

Sl No	Title of the paper	Name of the conference	National/ international	Address of ORGANIZATION	Date	Page nos in proceedings
1	Laminar forced flow along a flat plate neglecting viscous dissipation	MINAC 2001	National	JNTU Anantapur	18 th oct 2001	140
2	Design of standalone photo voltaic system for rural hospital	MINAC 2001	National	JNTU Anantapur	18 th oct 2001	162
3	Design of curricula for undergraduate academic program	Renewable Energy sources and other technologies for rural development	National	Sri Sant Gajanan Maharaj college of Engg, Shegan (MS)	9-10 mar 2002	185
4	A view of mechatronics applications in robotics and computer aided system	A national Seminar on recent trends in industrial and production engineering	National	GPR college of engineering, kurnool	9 th dec 2002	165-171
5	MIS a vital resource for CIM	A national Seminar on recent trends in industrial and production engineering	National	GPR college of engineering, kurnool	9 th dec 2002	95-102
6	OR modeling applications in	MINAC 2002	National	JNTU Anantapur	21 th Dec2002	87

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	manufacturing and service organizations - A review					
7	Applications of simulation in manufacturing and material handling system design and optimization	MINAC 2002	National	JNTU Anantapur	21 th Dec2002	92
8	Design and development of decision support system for materials management department in a basic supply chain oriented environment- A case study in spinning mill	2 nd INTERNATIONAL Conference on logistics and supply chain management (ILSCM 2004)	International	PSG college of Technology Coimbatore and Central Michigan University, USA	2004	85
9	A study on decision support system in a thermal power station	Computer applications in mechanical engineering, CAME-2005	National	JNTU Anantapur-515002	2005	146
10	An Moora and WASPAS Methods Application for Optimal Material Selection From Aluminum Graphene Nano Platelets Composites	<u>Best research paper</u> in ICASET-2021 organized by KSRM College of Engineering, Kadapa,	ICASET-2021	ISSN0193-4120	21 & 22 May 2021, K.S.R. M College of Engineering, Kadapa	

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	“Dynamic Modelling and vibration analysis of Gear Tooth Fault analysis in ICAMTAAI 2021.	ICAMTAAI 2021	intrnational		Grphicsera ,deharadun uttarakhand	
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Summer/ Winter School/ Workshops Attended

SI No	Title	Duration	Address of Organization	National/ International
1	Teaching program for young faculty of Engineering college	25 th Dec 2000 -15 th Jan 2001	Osmania college of Engineering, Osmania University, Hyd	National
2	Cryogenic technology for metal treatment	28 th may- 9 th jun 2001	PSG college of technology, Coimbatore	National
3	Recent trends in Production and Industrial Engineering	9 th – 10 th Dec 2002	GPREC, Kurnool	National
4	Advances in mechanical engineering, MINAC 2002	21 st -22 nd Dec 2002	JNTU Anatapur	National
5	Recent trends in mechanical engineering, ZEITGEIST	7 th – 8 th Jan 2004	KSRM college of engineering, kadapa	National
6	Computer applications in mechanical engineering, CAME 2005	21 st – 22 nd Dec 2005	JNTU college of engineering, Anatapur	National
7	International conference and XX National conference on IC engines and combustion, ICONICE-2007	Dec 6-9, 2007	JNTU college of engineering, kukatpally, Hyd-5000085	International

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8	Computer applications in Mechanical and ic engines.	June 2009	NBKR institute of technology ,vidyanagar,vakadu, NELLORE.	NATIONAL.
9	Recent advances in Automation, Production systems & CIM	2010	National level work shop on, KSRMCE, Kadapa	National
10	mathematical aspects of fluid dynamics a 6 day FDP	2020-2021	sardar valla bhai patelinstitute of technology, VASAD	NATIONAL
11	A 6 day FDP on artificial intellegence	2020-2021	Santhiram engineering college ,Nandayal	NATIONAL
12	FDP ON Digital engineering In Aerospce applications.	2020-2021	Andhrapradesh state skill development corporation dassault team,AP	NATIONAL
13	3 Day workshop on CATIA	2020-2021	K.S.R.M.C.E	NATIONAL
14	A Three Day National Level online Faculty Development Program on "IPR & Fundamentals of Patent Filing-Prosecution"	08-06- 2021 to 10-06- 2021	Department of Information Technology by B V Raju Institute of Technology, Narsapur, Medak Dist,Telangana from	NATIONAL

Paper published in journals:

S.NO	TITLE OF THE PAPER	NAME OF THE JOURNAL	NATIONAL / INTERNATIONAL	ADDRESS OF ORGANIZERS	PERIOD	PAGE NO. IN PROCEEDINGS
1	A Study on Maintenance	Industrial Engineering	National	National Institute of Industrial	Dec - 2004	78

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	Management information system in a thermal power station			Engineering Vihar Lake – Mumbai		
2	An Expert System for Decision Support for Fault Diagnosis in the Turbine Section of Thermal Power Plant.	MT & M Journal	National	Manufacturing and Technology and Management (MT & M) , Indian Institute of Production Engineers(IPE) Banglore	June – 2007	18 to 23
3	A Case Study On Decision Support System for Cost Analysis In a Thermal Power Plant	Industrial Engineering	National	National Institute of Industrial Engineering Vihar Lake – Mumbai	Vol.1 Issue 5 November 2008	19 to 24
4	Injection Moulding Tool Design Manufacturing, Estimation and Comparison of L & T Power Box Side Panel Using Plastic Materials HDPE, ABS, PP and PC	IOSR Journal of Civil & Mechanical Engineering	International	IOSR Journal of Civil & Mechanical Engineering e-ISSN:2278-16684 www.iosrjournals.org	Vol.8 Issue 3 Sep – Oct 2013	23 to 32
5	Design and Analysis of Canister Testing Chamber	Research Journal of Engineering and Technology	International	An International Journal of Engineering Sciences and Technologies Vidyut Nagar Plot No:22 Ananthapur – India www.stfindia.com	Vol.7 Issue 1, Jan - Mar 2014	15 to 18
6	Impact	International	International	International	Vol.2 Issue	1084 - 1088

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	Strength Analysis of Passenger Seat during Crash by Using Hyper Works	Journal of Research (IJR)		Journal of Research(IJR) e-ISSN:2348-6848, p-ISSN: 2348-795x http:// internationaljournal of research.org	10, October 2015	
7	Fabrication of a model GO-KART with Low Cost	IOSR Journal of Civil & Mechanical Engineering	International	IOSR Journal of Civil & Mechanical Engineering e-ISSN:2278-1684 www.iosrjournals.org	Vol.12Issue 6Sep – Oct 2013	24 to 30
8.	FINITE ELEMENT ANALYSIS OF SILO SURFACE CLEANING ROBOT	IJSETR	IJSETR, International	International Journal of Research(IJsetr)	JUNE-2017	VOL-6 ISSUE-22 4249 - 4252
9.	A PAPER ENTITLED "MATERIAL AND COST ANALYSIS OF SILO SURFACE CLANING ROBOT	IJSETR	IJSETR, International	International Journal of Research(IJsetr)	July-2017	VOL-6 ISSUE-22 4249 - 4252
8	Optimization of turning operation on Mg alloy (AZ91) and Al alloy (64430) using Taguchi method".	TEST an engineering and management journal	International (scopus)	ISSN0193-4120	JAN-FEB 2020	VOL-05 ISSUE.07 PG.1366-1369
	A Novel Approach for Multi Objective Optimization of End Milling Using Grey-ANFIS Method	International journal on recent trends & innovations in mechanical engineering		E-ISSN:2321-9637. E-ISSN:2321-9637.	2018-2019	
9	Tri biological Behaviour of MOs2 and Graphite	IOP	International (scopus)	ISSN 2053-1591	2020	

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	Reinforced aluminum Matrix Composites					
9	Än Moora and WASPAS Methods Application for Optimal Material Selection From Aluminum Graphene Nano Platelets Composites	<u>Best research paper</u> in ICASET-2021 organized by KSRM College of Engineering, Kadapa,	ICASET-2021	ISSN0193-4120	21 & 22 May 2021, K.S.R. M College of Engineering, Kadapa	
10	Performance analysis of PSD shock absorber using Ansys workbench	<u>IJARESM</u>	Thomson Reuters	issn2455-6211	Jan 2021	
11	Vibro acoustic fault Diagonosis of two stage spur gear box by using imperical mode decompositio n technique	solid state Technology scopus		ISSN 0038-111x	2019-2020	
12	Dyanamic Analysis of a Geff cott rotar of different material using CAE Tools	IJARESM	Thomson Reuters	ISSN 2455-6211	Jan 2021	

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13	Influence of Graphene Nanoplatelets Addition on Microstructural and Mechanical Properties of Pure Aluminum through Ultrasonic Assisted Stir Casting Technique	SAE		ISSN: 1946-3979 e-ISSN: 1946-3987		
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Positions Held in the KSRM college:

1. Member in Advisory board for the students of IPE of KSRMCE for 5 years.
2. Executive Member in Institute of Engineers Kadapa centre for one year.
3. Disciplinary Committee Member in K.S.R.M. College of Engineering for 5 years.
4. Anti Ragging Committee Member in K.S.R.M. College of Engineering for 5 years.
5. Worked as time table in charge in the department for 5 years.
6. NBA coordinator for department.
7. NSS Program me Coordinator For 2 years in K.S.R.M. College of Engineering.
8. Acted as coordinator for IQAC for 2 years.
9. Worked as sports coordinator in the department for 5 years.
10. Worked as Hostel warden for 9 years for KSRMCE.
11. Coordinator for NAAC for 3 years.
12. Presently HOD of Mechanical Engineering In KSRM college of Engineering.
13. BOS MEMBER
14. ACEDAMIC COUNCIL MEMBER.

Guest lectures organized

- 1).INTRODUCTION TO MISSILE SYSTEMS AND ITS CONTROL TECHNOLOGY ” 01 , APRIL,2021
- 2). Guest Lecture On “3D Part Design, Assembly and Detailing using Solid Works”25th March, 2021
- 3).Awareness on Gate Preparation

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MEMBERSHIPS

1. Fellow in the institution of engineers India.(FIE)
2. Life member in the Indian society of technical education (LM 27637).
3. Life Member in Indian Institute of Production Engineers (LM 3193).

ACHIEVEMENTS

1. UGC Southern Region Hyderabad sanctioned for a mini project on January 2015 for Rs. 80000/- on the Project titled “Fabrication of a GO-KART with low cost” for the year 2016-17.

PATENT:

S.NO	Name of the faculty	Patent Title	Patent status	Patent Number	Date of Award	Academic Year	Dept	Category
			Filed/Published/Granted					(National/International)
1	Dr.Ravikanth	Photovoltaic solar thermal system with Nano fluid cooling Medium	Published	2.02141E+11	3/9/2021	2021-2022	ME	National